

HUMAN DEVELOPMENT NETWORK

Health, Nutrition, and Population Series

Work in progress

for public discussion

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Improving Women's

Health in Pakistan

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## Health, Nutrition, and Population Series

This new series is produced by the Health, Nutrition, and Population Family (HNP) of the World Bank's Human Development Network. The series aims to provide a vehicle for publishing material on the Bank's work

in the HNP sector, to consolidate the various previous publications in the

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HUMAN DEVELOPMENT NETWORK  
Health, Nutrition, and Population Series  
Improving Women's  
Health in Pakistan  
Anne G. Tinker  
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## Contents

Foreword	v
Acknowledgments	vi
Summary	1
1 Introduction	5
2 Extent and Dimensions of the Problem	6
Female Morbidity and Mortality	6
Fertility	11
Notes	13
3 Reproductive Health Services	14
Organization of Reproductive Health Services	14
Coverage and Utilization of Reproductive Health and Other Health Services	15
Notes	21
4 Building on Experience	22
Learning from Other Countries	22
Priorities	24
Notes	29
5 Conclusion	30
References	31
Figures	
1 Total Fertility Rate, Selected Asian Countries	11
2 Unmet Need for Contraception, Selected Asian Countries	12
3 Proportion of Married Women Using Contraception, Selected Asian Countries	16
4 Distribution of Contraceptive Users by Method, 1996-97	17
5 Proportion of Births Attended by Health Provider Trained in Midwifery, Selected Asian Countries	17
6 Infant Mortality Rate, Selected Asian Countries	22
7 GNP per Capita, Selected Asian Countries	22
8 Literacy Rates, Selected Asian Countries	23
9 Population Doubling Time at Current Growth Rate, Selected Asian Countries	23
10 Proportion of Population under 15 Years of Age, Selected Asian Countries	23
11 Total Burden of Disease, Pakistan	24

## Improving Women's Health in Pakistan

## Tables

1 Population Sex Ratio, 1951-92	6
2 Gender- and Age-Specific Mortality Rates	6
3 Frequency Distribution of Causes of Maternal Deaths, by Study Area, 1989-92	7
4 Prevalence of Anemia, by Province	9
5 Problems That Prompted Females to Seek Medical Care in the Past 14 Days, by Province	
and Adjusted Rates	10
6 Average Expenditure on Treatment of Illness, by Province	16
7 Contraceptive Prevalence Rate	16
8 Reasons for Delivery at Home, Sindh Province	19
9 Reproductive Health-Related Conditions in Pakistan, Males and Females	26

## Foreword

Women's disproportionate poverty, low social status, and general welfare are among the lowest in the world, and reproductive role expose them to high health risks, resulting in needless suffering and many preventable deaths. Yet designed to generate discussion among interested parties, cost-effective interventions exist to stop this unnecessary loss of lives in Pakistan and elsewhere to promote policy and programmatic action.

The report is part of the process of developing and implementing the Bank's Health, Nutrition, and Population Sector Strategy. A key priority of the strategy is to work with countries to improve health, nutrition, and population outcomes for the world's poor, and partnership to adapt models and strategies from around the world to improve the health and nutrition of women and children. It also seeks to

This report provides information on the health problems of Pakistani women, whose health and general public resources to achieve the greatest impact.

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## Summary

Pakistan lags far behind most developing countries in The following are among the major issues affecting women's health and gender equity. The sex ratio is women's health in Pakistan:

one of the most unfavorable to women in the world,

\*About 24 percent of Pakistani married women use a result of excess female mortality during childhood contraception (usage is 40-80 percent in most of and childbearing. One woman in every 38 dies in Asia), although this marks a substantial increase

childbirth, and half of infant deaths result from poor maternal health and nutrition. Pakistan's extremely frmt9pcntil85

X The gap between contraceptive use and the desire to high fertility-relative to rates in other Asian coun- s

\* . r . l . l c . l ~~~~~space or limit births is one of the largest in the world.

tries-is the product of inadequate services that fail More than one-third of Pakistani women wish to

to meet contraceptive needs and a preference for large families that reflects women's traditional status. Lack spae the net birt oralmttio iu

size but are not using contraception.

of mobility, decisionmaking power, and income, as

\* - . a . r l ~~~~~ Laws are highly restrictive on abortion, yet many

well as prohibitions against seeking care from male women resort to unsafe abortion, which causes

providers, present serious constraints to women's 5-13 percent of maternal deaths.

ability to use the limited services that are available. - One-third of births occur less than two years apart,

Against this history, however, are some positive recent . .

decomnt ht if vigroul stegtee and which doubles the mortality risk for the newborn.

developments that, if vigorously s More than 40 percent of Pakistani women are

sustained, could bring about significant development anemic.

progress for women, families, and the national Only 20 percent of women are assisted by a trained

economy provider during delivery

\* Pakistan ranks third among the world's countries in numbers of infants who die of neonatal tetanus, which can be prevented by immunizing the mother. Pakistan has not yet moved toward a reproductive health as part of prenatal care.

\* Information and services to prevent and control reproductive tract infections (including transmissible infections) despite the consensus reached at the 1994 International Conference on Population and Development (ICPD) and to combat

gender-based violence

Conference on Population and Development among more than 180 countries, Pakistan among them, to adopt that approach. Ministry of Health services are generally curative and poorly administered, while Ministry of Population Welfare services have limited coverage and The private sector, which accounts for about 60 per-

cent of the total health expenditure, remains a largely untapped partner in the effort to improve reproductive health. There are a few exceptions, including the social marketing of contraceptives and a few, mainly urban-

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## Improving Women's Health in Pakistan

based nongovernmental organizations (NGOs) active \* Emphasis on multisectoral linkages, including attention to in health care.

broader women's health concerns and

The quality of care is depressed by a lack of respon- girls' education.

siveness to women's special health needs and cultural factors associated with their disadvantaged status;

shortages of staff (especially female and paramedical Program Priorities

workers), supplies, and drugs; inadequate community outreach and counseling; lack of adherence to standard Program priorities will include greater access for women

medical procedures; and weak supervision. These fail- to female health workers, especially at the village level;

ures are reflected in underutilization of services, as well proper incentives and supervision to improve quality,

as poor health indicators. especially the

quality of staff performance and the pro-

vision of adequate supplies; more effective counseling;

and a functioning referral system. It would be advisable

Strategies for Change to develop

demonstration projects in a limited number

of districts, adapted to local conditions. The emphasis in

Despite the many problems Pakistan faces, there are the Punjab, for example, would be primarily on meeting

encouraging signs of progress. The public sector is ini- existing demand, while in Balochistan, raising demand

tiating reforms, especially through the Social Action would be stressed. Recommended actions to improve

Program launched five years ago. A larger share of gov- women's health are noted below

ernment health expenditures is being directed to basic health services, such as reproductive health and com- Family planning

municable disease control. Community-based female \* Meet existing and expanding need with increased

health workers are being supported to bring services access to a range of contraceptives.

closer to women. Contraceptive prevalence is rising to \*

Strengthen communication activities for behavior

meet growing demand, particularly in the Punjab change and develop strategies aimed at men and newlyweds. where most of the population lives. Furthermore, more girls are going to school. With increased and sustained \* Effectively communicate the benefits of small families. effort, Pakistan has the potential to reduce its high \* Facilitate the expansion of social marketing. maternal and child mortality levels and improve women's status. Effective change will require: Maternal health

- \* Increase awareness of the high disease burden on children as well as on women associated with poor decentralized management to increase equity and mtra elh cost-effectiveness in the distribution of health maternal health.
- \* Improve prenatal, delivery, and postpartum care at services peripheral health facilities.
- \* A shift from a top-down, physician-dominated system to a client-centered model emphasizing women trained to reduce harmful practices, but that the referral system bringing information and services to women must be made functional to manage
- \* Adoption of a reproductive health approach, including life-threatening complications. life-
- ing integration of health and family planning services . Strengthen the supervision and support of community-based
- and making the health departments more accountable for improving reproductive health outcomes provide an effective continuum of care.
- \* Clear goals and indicators, with effective monitoring and evaluation systems Reducing morbidity throughout the life cycle
- \* Participation of NGOs, local communities, and \* Initiate more gender-sensitive approaches, including public women in planning and implementation education, to combat gender-based vio-

## Summary

3

lence and other culturally based problems, as well epidemiological and socioeconomic data disaggregated by gender and age; as outreach in counseling and service delivery. and information on neglected

\* Increase nutrition education, highlighting the areas, such as the extent and dimensions of maternal importance of iron supplementation and appropriate reproductive tract infections, malnutrition, ate foods during pregnancy and lactation. and gender-based violence.

\* Prevent the spread of HIV/AIDS through public education, condom promotion, and management of sexually transmitted diseases, particularly among Future Prospects commercial sex workers and other high-risk groups.

If action is not taken swiftly, Pakistan will fall further behind its Asian neighbors in human capital development

Information Needs ment and jeopardize future opportunities for economic growth.

High fertility and women's poor health seriously

More information is urgently needed as a basis for seriously limit not only family well-being and productive

program planning, particularly qualitative research capacity in Pakistan today, but also the development

from the perspectives of both clients and providers; potential of tomorrow.



## 1 Introduction

The status of women is considerably worse in South Asia than in most of the world. And within South Asia, Pakistan has one of the worst records in female health and education. Pakistan's fertility rate of 5.4 is considerably higher than that of any other large Asian country, and as many as 1 in every 38 women die from pregnancy-related causes—compared, for example, with 1 in 230 women in Sri Lanka. While poverty and a weak health system underlie the poor health status of the general population, women face unique, additional risks because of their reproductive biology and low socioeconomic status. Cultural factors, including the practice of seclusion and limited decisionmaking authority, impede women's access to social services such as health care and education, as well as income producing opportunities. Poor health and nutrition reduce women's productive capacity, which is currently undervalued and poorly utilized. Improving the health and productive potential of Pakistani women will play a vital role in all aspects of the country's development, including its

parable to the combined burden of tuberculosis and respiratory infections among males and females of all ages. In addition, close to one-half of the disease burden caused by vaccine-preventable childhood diseases arises from neonatal tetanus, which is most cost-effectively prevented by immunizing the mother. This report describes the status of reproductive health among women in Pakistan, assesses the adequacy of existing health services, and provides recommendations for the improvement of women's reproductive health. It is based on an extensive review of documents and journal articles and insights from colleagues who have worked in Pakistan's health sector, in addition to lessons drawn from studies of women's health in other countries. Data are drawn primarily from the Pakistan Demographic and Health Survey (Pakistan, National Institute of Population Studies, Federal Bureau of Statistics, and IRD Macro, Inc. 1992; after here cited as PDHS), conducted in 1990–91; Pakistan Contraceptive Surveys (Pakistan, Ministry of Population Welfare and

potential for economic growth. Population Council  
 1995a; cited as PCPS), 1984-85  
 The health programs most relevant for Pakistan's and 1994-95;  
 Pakistan Integrated Household Survey  
 population will give the highest priority to improving (Pakistan,  
 Federal Bureau of Statistics 1996; cited as  
 reproductive health and reducing communicable dis- PIHS), 1995-96;  
 and the National Health Survey of  
 eases among infants and children. A recent burden of Pakistan  
 (Pakistan Medical Research Council 1996;  
 disease study for Pakistan (World Bank 1997a) indi- cited as NHSP),  
 1990-94; and the Pakistan Fertility  
 cates that pregnancy-related conditions constitute 13 and Family  
 Planning Survey (Pakistan, National  
 percent of the total disease burden and communica- Institute of  
 Population Studies and London School of  
 ble diseases an additional 38 percent. The disease Hygiene and  
 Tropical Medicine; cited as PFFPS), con-  
 burden for maternal and perinatal conditions is com- ducted in  
 1996-97.



## 2 Extent and Dimensions of the Problem

### Female Morbidity and Mortality

Bureau of

Statistics, that difference was less than 15 per-

cent in 1988, suggesting that gender discrimination at

The health and general welfare of women in Pakistan early ages may have intensified in recent years. In 1988

are among the lowest in the world. This section looks (more

current data were not available for lifetime age-

at the extent of the problem, with a particular focus on and

gender-specific mortality rates) the mortality rate for

reproductive health problems, which constitute a sig- women during the peak childbearing years (ages 20-29)

nificant cause of premature death and disability was more

than double the rate during the lowest lifetime

risk period (ages 10-19), a reflection of poor maternal

Mortality differences by sex and age health

services. Furthermore, mortality rates for women

Pakistan is one of the few countries in the world where in their

twenties were twice as high as those for men of

men outnumber women. 1 While this holds true in some the same age.

For infant girls and for women who sur-

rounding Asian countries where the status of women vive the

prime childbearing years, the innate female bio-

is also low, the sex ratio in Pakistan is the most unfavor- logical advantage was evident (table 2).

able to women of the large countries of Asia. The Pakistan

Demographic and Health Survey (PDHS) found that Maternal mortality

there are 108 men for every 100 women, although sur- Pakistan's

maternal mortality ratio is most frequently

veys suggest that the imbalance has been lessening since reported

as 340 maternal deaths for every 100,000 live

1950, when the ratio was 117:100 (table 1).

This unfavorable ratio is mainly a consequence of Table 2 Gender-

and Age-Specific Mortality Rates

excess mortality of young girls and women among child- (deaths per 1,000)

bearing age. The mortality of females is 66 percent high-

Both Male

er for girls than for boys between the ages of 1 and 4, Age group

sexes Male Female female ratio

suggesting significantly less favorable treatment of girls All

ages 9.8 10.4 9.2 1.13

than of boys (PDHS 1993). According to the Federal	Below age 1
142.3      144.5                      140.0              1.03	
1-4                      6.9              6.4              7.3              .88	
5- 9                      1.3              0.9              1.8              .50	
Table 1 Population Sex Ratio, 1951-92	10-14
1.0              0.9              1.2              .75	
(males per 100females)	15-19
1.6              1.8              1.3              1.38	
All Urban              Rural              20-24                      2.4              1.6	
3.1              .52	
Sr   sa              aUrban              Rural              25-29                      2.3              1.8	
2.7              .67	
Survey/census                      areas                      areas                      areas              30-34	
2.1              2.5              1.8              1.39	
PDHS 1990/91                      108              106              110              35-39	
2.8              3.2              2.4              1.33	
PDS 1984-90 (average)              106              108              105              40-44	
4.5              5.5              3.6              1.53	
PDS 1976                      109              111              108              45-49	
5.3              7.5              3.0              2.50	
Census 1981                      110              115              109              50-54	
8.6              9.8              7.3              1.34	
Census 1972                      114              119              113              55-59	
11.6              12.2              10.9              1.12	
Census 1961                      116              125              113              60-64	
28.0              31.3              24.4              1.28	
Census 1951                      117              128              114              65 +	
64.0              68.2              58.9              1.16	
Source: Fikree and others 1996; PDHS 1992.	Source:
Based on Pakistan, Federal Bureau of Statistics 1990.	

## Extent and Dimensions of the Problem

7

births. It is also estimated that 1 woman in every 38 clandestine, unsafe abortion do so at significant risk. The extent of dies from pregnancy-related causes (WHO and extent of mortality following complications of unsafe UNICEF 1996; this indicator takes into account the abortion is not precisely known, but on the basis of the number of pregnancies women experience over a life- available studies, it is assumed to be considerable. In the time as well as obstetric risk). studies conducted by Aga Khan University, abortion Because national data are lacking, the maternal mor- accounted for more than 5 percent of maternal deaths tality rate was derived using a simple model based on from direct causes (Fikree, Rahbar, and Berendes 1997). the general fertility rate and the proportion of births In a hospital-based survey of 30 private and public hos- assisted by trained midwives or doctors, as estimated pitals in Pakistan, 11 percent of maternal deaths were attributed in the PDHS. It is likely, however, that only about 20 percent of births are assisted by appropriately skilled Ahmed 1996). A study of maternal deaths in the health providers, rather than 35 percent as estimated Faisalabad metropolitan area found that 13 percent were caused by in the PDHS. Many experts also believe the maternal unsafe abortion (Bashir 1993). mortality rate may be higher than reported. Population-based studies among poor populations Effect of maternal health on infant mortality conducted by Aga Khan University report maternal mor- The most important determinant of a newborn's survival tality rates ranging from 281 for every 100,000 live and healthy start in life is the mothers health and nutri- tional births in Karachi's urban settlements to 673 for every status and the quality of care she receives. In 100,000 live births in rural Balochistan. Almost 80 per- Pakistan, where almost one-half of women are anemic cent of maternal deaths are direct obstetric deaths result- throughout their pregnancies and more than two-thirds ing from postpartum hemorrhage (36 percent), antepar- deliver at home without trained assistance, infant mor-

tum hemorrhage (17 percent), infection (16 percent), tality and morbidity associated with pregnancy-related and eclampsia (14 percent). Hepatitis is the most fre- conditions are high. And the rate of infant mortality from frequently cited single cause of maternal death from indi- all causes is one of the highest in Asia.

rect causes (table 3). The laws concerning induced abor-

Overall, there has been a decline in infant and child tion are highly restrictive, and women who resort to mortality rates over the past two decades, in good part

Table 3 Frequency Distribution of Causes of Maternal Deaths, by Study Area, 1989-92

(percent)

Clinical causes		Karachi	
Balochistan	North-West Frontier	Total	
Direct maternal causes		88.2	77.4
71.1	78.1		
Postpartum hemorrhage		40.0	34.4
37.0	35.9		
Antepartum hemorrhage		13.3	17.7
18.5	17.0		
Eclampsia		23.3	12.5
11.1	14.4		
Puerperal sepsis		13.3	18.8
11.1	16.3		
Abortion		6.7	6.3
-	5.2		
Cephalopelvic disproportion		3.3	6.3
11.1	6.5		
Other		-	4.2
11.1	4.6		
Indirect maternal causes		11.8	22.6
29.9	21.9		
Hepatitis		-	17.9
9.1	14.0		
Congestive cardiac failure		25.0	7.1
9.1	9.3		
Tuberculosis		25.0	7.1
9.1	9.3		
Thrombosis		-	3.6
9.1	4.7		
Anemia		-	3.6
-	2.3		

Puerperal psychosis		–	3.6
–	2.3		
Other		–	32.1
54.5	34.9		
Unknown		50.0	25.0
9.1	23.3		

Note: Clinical causes reported are restricted to maternal deaths identified in the four-year recall period for Balochistan and the five-year recall period for other areas. Karachi data are limited to the low socioeconomic settlements.

Source: Fikree and others 1997.

## Improving Women's Health in Pakistan

due to the rapid expansion of immunization, nutrition and health care for mothers, the timing and frequency of childbearing is also of concern. Nevertheless, maternal, perinatal, and neonatal rates have remained relatively stagnant. According to recent Pakistani child's risk of dying rises with a mother under statistics, more than half of infant mortality and 45 per- the age of 18 or a short birth interval. The interval cent of under-5 mortality in Pakistan occurs during the between births has a powerful influence on survival, first month of life. These deaths are primarily the result regardless of the mother's age. A short birth interval of poor maternal health and nutrition, inadequate cov- (less than two years) more than doubles an infant's risk erage of pregnant women with tetanus toxoid immu- of dying when compared with birth intervals of two to nization, and complications at delivery. Several statis- three years, and more than quadruples the risk when tics reflect the impact of maternal health care on child compared with birth intervals of four years or longer survival. Under-5 mortality is 70 percent higher among (PDHS 1992). During the period of the PDHS study children born to women who did not receive antena- one out of every three births occurred within 24 tal and delivery care than among children whose moth- months of the previous birth. ers did (PDHS 1992).

Neonatal tetanus is the leading cause of infant mor- Nutritional deficiencies tality in Pakistan. tmmunizing a pregnant woman Malnutrition is a major problem among the poor in against tetanus will protect her and her newborn from Pakistan. It affects adult women more than men, and it this infection, often caused by nonsterile delivery pro- contributes to a vicious cycle of poor growth from gen- cedures. In 1996 at least 30,000 deaths occurred due eration to generation. Female malnutrition in Pakistan to neonatal tetanus, which represents a rate of 7 of is the result of inadequate food intake because of every 1,000 live births. This puts Pakistan third in the poverty. It is exacerbated by the low status of women,

world for annual number of neonatal tetanus deaths which affects their access to food within the household. and cases after Nigeria and India (Francois Gasse, There is ambiguous evidence to support the popular World Health Organization, personal communication, belief that Pakistani girls are discriminated against in 1997). Tetanus toxoid immunization of mothers as nutrition practices.

part of prenatal care could cost-effectively prevent Anemia prevalence is very high among children close to half of the disease burden caused by vaccine- through puberty. Among adults at least 40 percent of preventable diseases. a women and 21 percent of men are anemic (table 4).

About one in four Pakistani infants are born with low According to the 1985-87 data, adult women con- birthweight (less than 2.5 kilograms), among the high- some less iron than men, even though women est rates in the world. These low birthweights are pri- require three times as much iron as do men to main- marily the result of maternal malnutrition and anemia. tain their health. (Women need more iron beginning The effects of iodine and vitamin A deficiencies on preg- with the onset of menstruation in early adolescence, nancy outcome are also of considerable concern. Most and even more during pregnancy and lactation.)

prevalent in the mountainous regions of northern During pregnancy, women consume about one-half

Pakistan, iodine deficiency in pregnant womenr causes the recommended iron intake. Factors contributing more than 7 percent of full-term babies to be stillborn to high rates of anemia are early marriage and child- or to die within the first month of life, and it can cause bearing, short intervals between pregnancies, high cretinism in those who survive (UNICEF 1996; parity, poor nutrition resulting from poverty, skewed UNICEF and Government of Pakistan 1992; Pakistan, intrahousehold food distribution practices, a high National Institute of Health 1988). Despite strong eco- incidence of intestinal worms, and a lack of supple- mental iron during pregnancy (College of Physicians age of low-birthweight babies has remained virtually and Surgeons 1995; Pakistan, National Institute of

constant at 27 percent since 1979 (UNICEF 1996). Health 1988).  
While the major contributing factor to maternal Pregnant women  
receive 87 percent of the recom-  
death and poor infant outcome is lack of adequate mended calories  
and lactating women 74 percent



## Extent and Dimensions of the Problem

9

Table 4 Prevalence of Anemia, by Province  
(percent)

North-West

Group	Frontier Pakistan	Punjab
Sindh	Balochistan	
Children		
Less than 5 years	46.5	58.6
70.8	87.2	62.9
5-14 years	26.8	36.5
56.9	65.6	41.8
Males		
15 years or older	7.5	21.5
41.5	21.2	24.3
Females		
15 years or older	14.7	36.2
60.5	40.3	51.7
Pregnant, 15-44 years	06.9	37.9
53.2	57.5	41.4

Source: NHSP 1996.

(Pakistan, Federal Bureau of Statistics 1995), and pro-  
susceptibility to HIV infection. HIV/AIDS prevalence  
tein intake for these women is around 85 percent of is considered  
to be low in Pakistan, although there has  
recommended levels. In the 1985-86 survey about 34 been limited  
effort to collect reliable data. The World  
percent of mothers were estimated to be underweight Health  
Organization (WHO) estimated that 40,000  
(Pakistan, National Institute of Health 1988). people had been  
infected with HIV by the end of 1995  
Nutritional deficiencies affect not only women but also (Khawaja  
and others 1997). In Pakistan, where  
their offspring, as already noted. Furthermore, malnu- HIV/AIDS and  
other matters that involve sexuality are  
trition in women creates a tragic intergenerational socially  
sensitive, innovative and culturally acceptable  
cycle. Malnourished mothers face potential complica- methods are  
required to promote surveillance, pre-  
tions in childbirth and the likelihood of low birth- vention  
efforts, and open discussion.  
weight babies. If those babies are girls, they will be pre- Cancers  
of the breast and reproductive tract consti-

disposed to poor pregnancy outcomes when they reach a significant proportion of the cancers seen in childbearing age. women in Pakistan. A study involving five hospitals in four provinces found that 19 percent of women with Reproductive tract infections and cancers cancer had gynecological cancer; 9 percent of women The extent of reproductive tract infections in Pakistan with cancer had cancer of the cervix. Cancer of the has not been documented. Studies of such infection in breast was the most common cancer in women, a comparable setting, however, suggest that women accounting for 26 percent of all cases (afarey and Zaidi suffer a substantial but silent burden. Research in 1987). India found that most women of reproductive age suffer from reproductive tract infections and other gynecological morbidities. General morbidities, and similar contributory factors Information on disease and disability in Pakistan is exist in Pakistan, including inadequate menstrual extremely scarce. Even the analysis of facility-based hygiene, unhygienic delivery, poor water quality and data has been limited. To provide a database on the sanitation, and a general lack of health and sexuality nation's health, the Pakistan Medical Research Council education (World Bank 1996a). Women are not only conducted the National Health Survey of Pakistan in more susceptible than men to these infections, but 1990-94. According to the survey (NHSP 1996), the they are also more prone to develop complications. four leading problems that prompted females 5 years Reproductive tract infections, including sexually of age and older to seek medical care were respiratory transmitted diseases, can. cause pelvic inflammatory difficulties (26 percent), body pain (14 percent), stomach disease, ectopic pregnancy, infertility, other problems ach and bowel distress (10 percent), and reproductive of pregnancy and childbirth, and chronic pain. problems (6 percent; table 5). For males, the four main Reproductive tract infections also increase women's complaints that prompted requests for medical care

# Improving Women's Health in Pakistan

were respiratory difficulties (27 percent), body pain being beaten by their husbands at some time and 7 percent (10 percent), stomach and bowel distress (9 percent), percent reported that they were beaten regularly Reports and skin ailments (7 percent). of domestic

violence were highest in the most devel-

There appeared to be considerable variation in these oped peri-urban site, where more than half the women rankings, both by province and within provinces. reported being beaten (Sathar and Kazi 1997).

(Standard errors are forthcoming and will qualify Two small-scale studies recently conducted in

results at the provincial level.) For example, reproduc- Karachi also indicate that gender-based violence is

tive problems were the single main complaint in the common in Pakistani households (Bhatti and others

North-West Frontier Province (17 percent). 1996; Hussain and others 1996). In the first study of

Respiratory, skin, and bowel problems more frequent- 176 married men, 74 percent reported that domestic

ly prompted women to seek care in urban than in rural violence was a common problem, and 65 percent

areas, while complaints about reproductive problems stated that there was a need to create public

and headache were more prevalent in rural areas than awareness of the problem. Twenty-eight percent of

in urban settings. Among reproductive problems, pro- the men reported that they had abused their wives

lapsed uterus was identified as a problem by 20 per- physically in the past year and most reported inflict-

cent of reproductive-age women (NHSP 1996). ing bruises (93 percent) and lacerations (31 percent).

The most prominent factors inciting violence were

Gender-based violence children (72 percent) and economic problems (71

Domestic violence is beginning to receive attention in percent).

Pakistan as a women's rights issue and a serious public In the second Karachi study surveying 150 married

health issue. According to the Pakistan Ministry of women, 34 percent reported some form of physical

Women's Development, violence against women is abuse. Of these 39 percent reported verbal abuse; 37 percent, rooted in the social relationships of patriarchy, which percent, sexual abuse; 64 percent, economic abuse; are based on a system of male domination and female and 94 percent, psychological abuse during their marriage and subordination. The ministry noted that wife beating is rife in married lives. Almost one-half of the women who had been physically abused fairly common, and that about four rapes are reported physically abused had been hit during pregnancy, and in the country each day, according to official statistics one-third of those women reported a subsequent miscarriage (Pakistan, Ministry of Women's Development and Social Welfare 1996; Hussain and others 1996; Youth Affairs 1995).

In a household survey of more than 1,000 women in rural Punjab 35 percent of the women reported problems that prompted females to seek medical care in the past 14 days, by province and adjusted rates (percent)

Punjab		Sindh		Total
Problem		Urban	Rural	
Urban	Rural	Total		
Respiratory		36.9	25.2	29.5
20.0	30.7	24.7		
Stomach		8.2	6.9	7.4
6.8	4.8	6.0		
Body pain		13.9	17.3	16.1
8.9	9.0	9.0		
Headache		2.4	4.3	3.6
3.1	4.1	3.5		
Skin		4.1	4.4	4.3
6.7	0.6	4.3		
Reproductive		4.5	5.2	5.0
2.4	2.1	2.3		
Urinary		0.4	1.3	1.0
1.7	0.0	1.0		
Bowel		3.1	1.7	2.2
5.1	4.3	4.8		
Other		26.5	33.5	31.0
44.4	44.5	44.4		

Note: Reference age = 5 years and above.

Source: NHSP 1996.



## Extent and Dimensions of the Problem

11

### Fertility

Figure 1

#### Total Fertility Rate, Selected Asian Countries (percent)

Pakistan is far behind its neighbors in the transition to lower fertility (figure 1). High fertility adversely affects maternal and infant outcomes, and rapid population growth impedes efforts to reduce poverty. With its high annual population growth rate of 2.8 percent, Pakistan is likely to become the third most populous country by 2050, behind only China and India.

5.6

3.7

3.4

2050, behind only China and India.

Indonesia

2. 9

#### Fertility determinants and consequences

High fertility in Pakistan is explained by the unmet need for contraception and the desire for a large family. Both are heavily influenced by the sociocultural context. Early childbearing contributes to the high levels of fertility, poses greater health risks to mothers and their newborns than childbirth during the peak reproductive years, and hastens the rate of population momentum. Although the ages of marriage and childbearing have risen in recent years, 30 percent of women age 20–24 had their first child by the age of 19. In Balochistan childbearing under the age of 20 is double that in Punjab (PDHS 1992). Breastfeeding reduces postpartum fertility and has important nutritional benefits for children. However, in need of family planning. More than one-third want no more children. There is considerable variation by province in the number of women who want no

a

2.3

China

1.8

Population Reference Bureau 1996.

Unwanted fertility

More women

in

60 percent

dren or want

potentially

third want no

ation by

under the age of 3 months are exclusively breastfed more children,  
 from 49 percent in Punjab to 27 percent  
 (UNICEF 1998). On average, Pakistani women breast- in Balochistan.  
 More than one-third of married women  
 feed their children for 20 months, and the median have an unmet  
 need for family planning services, with 13  
 duration of amenorrhea following pregnancy is 6.3 percent wanting  
 to space their births and 24 percent  
 months (PDHS 1992). wanting no  
 more children (PFFPS 1998).

#### North-West Frontier

#### Balochistan

#### Pakistan

Urban	Rural	Total	Urban	Rural	Total
Urban	Rural	Total			
3.5	4.1	3.9	26.5	21.8	22.8
29.7	23.2	25.8			
3.5	12.1	10.2	5.0	20.4	17.3
7.4	7.6	7.5			
10.1	14.0	13.1	27.5	16.9	19.0
12.2	15.7	14.3			
9.3	2.1	3.7	2.2	2.3	2.3
3.0	3.9	3.6			
9.7	4.3	5.5	5.0	6.4	6.1
5.3	3.9	4.5			
16.6	17.4	17.2	11.6	9.3	9.8
4.5	6.5	5.7			
0.0	1.2	1.0	2.1	0.0	0.4
0.8	1.1	1.0			
0.0	2.8	2.2	0.0	0.9	0.7
3.6	2.2	2.8			
47.3	42.1	43.2	20.0	22.1	21.6
33.4	35.9	34.9			

## Improving Women's Health in Pakistan

Figure 2 Unmet Need for Contraception, Selected Asian effects, lack of cooperation by the husband or mother-

Countries in-law, religion,

and fatalism. According to the PtIIS,

(percent) the main reasons

women gave for not using family

Pakistan 1996-97 38 planning were that

they wanted children (43 percent),

they did not know enough about it (25 percent), their

spouse did not want it (111 percent), they had religious

India 1992-93 19.5 reasons (8 percent),

and they believed there would be

bad side effects (4 percent). In Balochistan, nonusers'

reasons differed statistically: 37 percent wanted chil-

Bangladesh 1993-94 19.4 dren and 47

percent did not know enough about fam-

ily planning (PIHS 1996).

Sri Lanka 1987 12.1

Desiredfamily size

and women's status

While desired family size has declined to 2.5 children

Indonesial1994 411 in Bangladesh, demand

for large families persists in

s lPakistan. According to the PDHS, Pakistani women

consider an average of 4.1 children as the "ideal" fam-

ily size; in Balochistan the ideal is 6.3. Fertility is

viewed fatalistically, as evidenced by the finding that

The PDHS found that among those using family most women ascribe

family size to "God's will" (NHSP

planning, only 2 percent were doing so to space their 1996).

children. Most women who practice family planning The

unfavorable status of women in Pakistan affects

did not initiate contraception until they reached 35 both their

desire for fertility and their behavior, as well

years of age and had three living children (PDHS as their health

status and that of their children.

1992). The number of livihg sons is an important Physical

restrictions on women's movements severely

determinant of contraception and the desire to end constrain

women's ability to participate in society and

childbearing. In Punjab, 68 percent of women with their access to

health care. Studies in developing coun-



two living sons wanted no more children (Sathar and Kazi 1997). Many women resort to clandestine, unsafe abortion in the event of an unwanted pregnancy and her fertility and the survival of her children. Pakistani women with primary education recent national survey, 30 percent reported that they are twice as likely as women with no education to have had at least one abortion (NHSP 1996). Obtaining contraception, and women with secondary or reliable information on abortion in comparable settings has been extremely difficult, and the incidence is practice (PIHS 1996). Less than one-quarter of Pakistani women usually underreported (Stone and Campbell 1984). are literate, and for every 38 boys who attend school, only 20 girls do (United Nations 1995). Factors responsible for the low educational attainment of girls include direct costs, the need for care raised. Otherwise, unwanted fertility will contribute to their labor, the low expected returns, and cultural barriers. of women will resort to unsafe abortion, resulting in Other examples of female disadvantage include complications that the health system is not equipped child marriage, marriage to older men, a strong societal preference for sons, gender disparities in child-mortality, and inequitable allocation of resources the use of family planning services include fear of side such as health care and income. For example, parents

## Extent and Dimensions of the Problem

13

depend on sons for assistance in income-producing woman's status rests primarily on her success in bearing activity, including support in their old age. A strong desire for children, infertility—usually held to be the wife's preference for sons could be a constraint to reaching the goal, since the possibility that her husband may have low levels of fertility as family size declines; it could be that infertility is not considered—is a major disaster for women, also lead to sex-selective abortion, as in China, India, and a Pakistani woman.

and the Republic of Korea.

There is evidence of progress, however, as the desired family size appears to be decreasing. Data for Notes 1995–96 indicate that women want fewer than 3 children and that women age 20–24 desire only 2.5 (PIHS 1. In all human populations, more boys are born than girls, 1996). In a recent study of men, however, 38 percent said under normal circumstances male death rates are higher than female death rates at every age. For Pakistani children only 8 percent believed that a couple should have 2 children under one year of age, mortality is slightly higher for boys than girls, yet from ages one through fourteen, more girls die than boys. Early infant mortality is attributable

Infertility largely to causes that are not gender specific, such as tetanus,

A survey by the National Research Institute of Fertility prematurity and congenital conditions, and breastfeeding Control in Karachi puts the prevalence of primary diseases. provides some protection from the common communicable diseases. infertility at 3.5 percent and that of secondary infertility at 18.4 percent.<sup>2</sup> Secondary infertility was associated by and large caused by infectious diseases. The incidence associated with stillbirth and unsafe abortion; it can also and severity of most of these diseases are affected by control result from reproductive tract infections (particularly controllable factors such as immunization, treatment of illness, sexually transmitted infections) and unhygienic delivery and nutrition. Where gender bias exists, these factors are not

ery or surgery Primary infertility was found to be controlled  
equally for male and female children.  
highest in rural North-West Frontier Province, at 5.4 2.  
Primary infertility is the result of innate biological factors.  
percent, and secondary infertility was highest in urban Secondary  
infertility is the result of infection or medical  
Punjab, at 23 percent (Noorani 1995). Since a intervention.

### 3 Reproductive Health Services

Many countries have moved toward a reproductive health approach to family planning and women's first-level care facilities nation-wide actually provided family planning services, ranging from about 50 percent in Punjab to 19 percent in Balochistan (World Bank 1997b). The provincial departments that administer reproductive health services in Pakistan—the Ministry of Health and the Ministry of Population Welfare report that a much higher proportion of facilities have a staff member trained in family planning and keep contraceptives in stock, ranging from 50 percent in the North-West Frontier Province to 82 percent in Balochistan (Siraj ul Haq, World Bank Resident Mission, Islamabad, personal communication, April 1997). Thus many facilities that are equipped to provide family planning are not doing so, whether for lack of clients, temporary absence of trained staff, or contraceptive shortages. The Ministry of Population Welfare was upgraded in 1990, although the Population Program has been administered separately from the Health Program since the government initiated family planning services in 1965. The Health care provided by the Ministry of Health is generally Population Program is under closer federal control than oriented toward curative services. Through provincial health departments, the Ministry of Health administers part of the country, with fewer than one-fifth the num-

health services in freestanding maternal and child health centers. Some 1,500 family welfare centers provide family planning and maternal and child health to units, which provide basic care, including maternal and child health services, to populations of 10,000-20,000; family welfare centers are led by the family welfare worker, a female paramedic. One hundred reproductive health service centers, located in hospitals, provide sterilization and other family planning services. There are also 130 mobile service units designed to visit remote villages once a month to provide family planning methods by larger district (headquarter) hospitals. The main providers of public health services for women—such as (IUD) insertions, but not sterilization (Rosen and Conly 1996; World Bank 1995a, 1996c; Syeda Abida Hussain, Washington, D.C. personal communication, July 1997). Ministry of Health 1996c), and other female paramedics. July 1997).

## Reproductive Health Services

15

The Ministry of Health has supported upgrading the coverage and utilization of reproductive health services

skills of traditional birth attendants, or dais, in clean in Pakistan.

delivery, referral of complications, nutrition and

breastfeeding counseling, and promotion of immunization and oral rehydration therapy promotion. The poorer the

woman, the higher the fertility rate, the

(They could also play a role in family planning promotion.) During 1994-96 more than 3,500 dais received training, and the government plans to continue of

contraceptive methods. Women's use

received training, and the government plans to continue of

contraception is almost three times lower in the

use the program until one dai from each village has been poorest 20

percent of households than in the wealthier

trained (Pakistan, Ministry of Health 1996c). estimated 20 percent.

The level of education is similarly correlated

Two programs have been particularly effective in related with

contraceptive use. Furthermore, the poorest

expanding outreach to the underserved in the neediest households

spend half as much on health care as a

rural areas. Since 1992 the Ministry of Population Welfare has trained and deployed 7,000 village-based and they

spend less on women than on men, as

Family planning workers; it proposes to train a total of described

subsequently (World Bank 1995c).

30,000 by 2003 (Hussain, personal communication, 1997). The program seeks to train women who are married and live in the village, so that they will be more like- The

low status of women adversely affects their health

ly to be accepted and trusted by the villagers. Having care from

childhood onward. For example, among children age

found it difficult to recruit adequate numbers of women

12-23 months, 39 percent of boys were fully

who met the initial education qualifications, the government vaccinated

compared with 31 percent of girls (PDHS

ernment has lowered the requirement. This is seen as a (1992). According to the recent PIHS, coverage of child-  
 sensible adjustment to meet the program's needs. The children under 5  
 who have received any kind of immuniza-  
 second program, initiated in 1994 and implemented by tion has  
 increased overall during the past five years from  
 the Ministry of Health, has trained and deployed lady 70 to 78  
 percent, and the coverage gap between boys  
 health workers, now numbering 43,000, to provide and girls has  
 lessened. The survey found, however, that  
 family planning and other basic primary care services, the average  
 expenditure on treatment of diarrhea was  
 especially in the rural areas. The health workers are higher for  
 boys than girls (205 compared to 168 rupees)  
 required to have eight years of education, but marital and that the  
 disparity was greatest in urban areas (PIHS  
 status is not a selection criterion. While there was ini- (1996).  
 This difference in treatment was particularly  
 tial concern that the program might suffer from politi- notable in  
 Balochistan, where 73 percent of boys were  
 cal interference, it appears to have been successful in given oral  
 rehydration therapy, compared with 46 per-  
 reducing infant mortality and increasing contraceptive cent of  
 girls (PIHS 1996). A UNICEF study concluded  
 prevalence, apparently because it received priority that girls'  
 access to urban-based health facilities is about  
 attention and effective implementation (Pakistan, one-half that  
 of boys tAkhtar 1990). Among adults, men  
 Ministry of Health 1996a.b; World Bank 1996d). are more likely than  
 women to seek medical help for an  
 Coordination by the two ministries appears to have pre- injury or  
 illness. The nationwide PIHS revealed that 20  
 vented an overlap of the two cadres of workers at the percent of  
 men and 27 percent of women reported hav-  
 village level (World Bank 1996c). ing suffered an  
 injury or illness within the past 30 days.  
 Of this group, 86 percent of the men and 77 percent of  
 the women sought care. In North-West Frontier  
 Coverage and Utilization of Reproductive Health Province and  
 Balochistan 85-86 percentL of the men  
 and Other Health Services sought treatment,  
 but only 68 percent and 57 percent of  
 women, respectively did so (PIHS 1996).

A number of socioeconomic and cultural factors, as  
Discrimination in health care can also be seen in dif-  
well as specific demand and supply issues, affect the differential  
expenditures for health service use. A recent



improving Women's Health in Pakistan

study of the demand for children's medical care in Figure 3

Proportion of Married Women Using

Pakistan concluded that families are more willing to pay

Contraception, Selected Asian Countries

for medical care for sons than for daughters, particular- (percent)

ly in poor households. Lower-income households seek China M

E 83

care more often and use higher quality providers (pri-

rate doctors) for boys than for girls. A recent survey of Sri Lanka

66

health expenditures among adults indicates that house-

holds spend considerably more on men than women

— when they are ill. The differential in Balochistan, the Indonesia  
66

region with the highest incidence of poverty, is particu-  
larly striking (table 6). The implications of these gender

Bangladesh OE

differentials should be taken into account where such

costs as user fees or transport are considered (Aldernan India  
and Gertler 1996; World Bank 1997b).

=

Urban-rural differentials Pakistan

24

While 65 percent of the population in Pakistani lives

in rural areas, 80 percent of hospital beds and doctors

are in the urban centers (Bhutta 1995). In 1993 the which is home  
to more than half the population (see

Ministry of Population Welfare estimated that public figure 3 for  
Asian comparisons). The 1995-96 PIHS's

service coverage of family planning was about 54 per- lower

national estimate of 13 percent appears to reflect

cent in urban settings and 5 percent in rural areas underreporting  
in Punjab (table 7). Twenty percent of

(World Bank 1995b). Though rural coverage is esti- males reported  
that they were contraceptive users in

mated to have increased since then, it is still lower 1994,

compared with 15 percent in 1990-91 (Bhatti

(Siraj Haq, World Bank Resident Mission, Islamabad, and Hakim 1996).

personal communication, 1996). Access to basic health Less than

25 percent of the population has access to

units is best in Punjab and worst in Sindh (PIHS 1996). modern  
 contraceptives; the Ministry of Population  
 About 70 percent of private-health facilities are locat- Welfare  
 covers about 10-12 percent. Although access  
 ed in the cities (WWorld Bank 1996). to family  
 planning services has improved in recent  
 years, it is still extremely difficult for women in rural  
 Family planning areas,  
 including those already practicing contracep-  
 Although 40-80 percent of married women in most of tion. Travel  
 time to the nearest family planning facility  
 Asia are using contraception, only about 24 percent was less than  
 one hour for nearly 90 percent of the  
 were estimated to be doing so in Pakistan in 1996-97. women in  
 urban areas who used contraceptive meth-  
 This represents a notable increase from 12 percent in ods, only  
 about 55 percent of contracepting women in  
 1990-91; most of the increase took place in Punjab, rural areas  
 lived within an hour of the nearest facility  
 Table 6 Average Expenditure on Treatment of Illness, Table 7  
 Contraceptive Prevalence Rate  
 by Province (percent)

1990-91	1994-95	1995-96	1996-97		
Province			Men	Women	Province
PDHS	PCPS	PJHS	PFFPS		
Pakistan overall			485	379	Pakistan
overall	12	18	13	24	
Punjab			364	393	Punjab
13	20	12	27		
Sindh			680	406	Sindh
12	15	15	23		
North-West Frontier			584	308	North-West
Frontier	9	15	13	19	
Balochistan			1,165	431	Balochistan
2	4	5	7		

Source: PIHS 1996.  
 Provided in table.

Source:

## Reproductive Health Services

17

Figure 4 Distribution of Contraceptive Users women in rural areas receive some antenatal care, by Method, 1996-97 while 71 percent of women in major cities are able to take advantage of the service. Periodic Education is a significant predictive factor, as it is for the use of family planning: 22 percent of mothers with no education receive antenatal care while 85 percent of mothers with at least some secondary education do so. Most sterilization deliveries occur at home (85 percent), and they are usually assisted by a relative or traditional birth attendant. Trained assistance is probably available for fewer than 20 percent of deliveries, one of the worst rates in Asia (UNICEF 1997; NHSP 1996; PDHS 1992; figure 5). While maternal health care would substantially benefit both women and children, it receives relatively little attention. Source: PFFPS 1998. Services are directed primarily toward children rather than mothers. Consider these differences in immunization. In 1996, 80 percent of infants were fully immunized against diphtheria, pertussis, tetanus, and measles whereas just 50 percent of pregnant women were immunized against tetanus (Francois Gasse, World Health Organization, personal communication, 1997).

are usually considered less reliable than modern techniques, a study in Pakistan found a lower pregnancy awareness and other factors affecting demand rate with withdrawal than with pills because it was As noted earlier, while a substantial proportion of the population used more effectively (Peter Miller, Population wants to limit fertility and is in need of contraception, Council, Islamabad, personal communication, 1996). traditional gender roles promote high female sterilization is the most popular method of Figure 5 Proportion of Births Attended by Health Provider Trained in Midwifery, Selected Asian Countries (pe7-ce7tt) vate facilities are authorized to perform the procedure (Rosen and Conly 1996) 2 Vasectomy is available on a Sri Lanka 94 vTery limited scale in major city hospitals, and onlyT 12 S ak percent of men know about the procedure (Bhatti and Hakim 1996). While women obtain sterilization and China 84 IUD services primarily from the government, condoms are supplied mainly through the social marketing Indonesia s36 program. India Maternal health services 34 Health services are poor in general, but they are particularly deficient for maternal health and nutrition Pakistan 19 needs, leading to adverse outcomes for both women and newborns. Less than one-third of pregnant Bangladesh 4 women receive any antenatal care. Again, there is a large urban-rural differential: 17 percent of pregnant Source: UNICEF 1997.

# Improving Womens Health in Pakistan

tility Husbands are less likely than wives to approve of should focus on the health-related aspects of family family planning, and women's lack of autonomy is a planning and those aimed at men should address issues serious constraint to seeking and receiving needed of acceptability (Population Council 1997). care. Basic knowledge of reproductive physiology is According to the 1995-96 PIHS, the major sources extremely limited—for example, only 5 percent of of information about family planning, are spouses, married women can correctly identify the fertile peri- friends, and government that in order. Between 65 and od in their cycles (PDHS 1992). 88 percent of married women surveyed had seen or Cultural restrictions on mobility are a significant heard at least one of the family planning messages dis- constraint to women's access to reproductive health seminated by the information, education, and com- and other services. Most women do not have permis- munication program (Hakim 1996; PCPS 1995). Such sion to move about freely, and they are forbidden to extensive coverage is impressive, given the high illiter- visit some places alone or at all. According to a recent acy rate. The primary message that these women survey of women between the ages of 15 and 40 in reported hearing or seeing promoted the desirability of rural Punjab, only 28 percent can go unescorted to the limiting the number of children in a family (68 per- local health center and fewer than 12 percent can trav- cent). The small family concept may not be well under- el alone to the nearest village. Over two-thirds of the stood, however. A study of male attitudes found that women interviewed require permission to leave home 48 percent of nmen thought that a small family meant (Sathar and Kazi 1997). As a result, for programs to be four or more children. Respondents to this and other effective, they must bring information and services to studies thought that a family of two boys and two girls the household or as close to it as possible. was ideal (Bhatti and Hakim 1996).

Knowledge about contraception among married couples appears fairly widespread. According to the PDHS, some 78 percent of married women know of at least one modern contraceptive method, and 45 percent know of a source for that method. A more recent study found that 94 percent of married women know of at least one method (PFFPS 1998). How family opposition affects contraceptive use is not known precisely, but according to the PDHS, for example, 62 percent of married women who know of a contraceptive method approve of family planning, while only 36 percent of their husbands approve. Any facility or person responsible. This reinforces a lack of accountability on the part of providers and the system. Almost 70 percent of the women surveyed saw a maternal death as "God's will," and only 3 percent placed the blame on an ineffective health facility (Kazmi 1995).

\* Concerns about the social, cultural, and religious constraints and lack of transport were particularly significant: family was hesitant to go to hospital or the husband was not at home (33 percent), transport was not

Although Sindh found autonomy are the delivery in cost, and delivery in perceived safety that 64 ery was this to be true. fatalistic and did not hold article the service of the women wish," and only 3 fective health

Another study examined the reasons for delay in accepting the hospital among 118 mothers who arrived dead between 1981 and 1990. Sociocultural constraints and lack of transport were particularly significant: family was hesitant to go to hospital or the husband was not at home (33 percent), transport was not

tural unacceptability of contraceptive practice was a significant barrier to use. These findings suggest that community health workers were not available (25 percent), time was lost in transfer or because of delayed referral (21 percent), and lack of communications on behavior change directed to women (11 percent; Jafarey and Korejo 1993).

## Reproductive Health Services

19

Table 8 Reasons for Delivery at Home, Sindh Province and two children to be permitted to use condoms.

Location	Percent	Between 11 and
23 percent of the family welfare cen-		
Rural areas		ters lacked
basic supplies (Population Council 1995).		
No hospital near home	84	A review in
late 1996 reported that the contraceptive		
Income too low to afford the hospital	70	supply system
has been improved, although critical		
Husband! family forbid out of home delivery	65	shortage of
family welfare workers and weak district		
Could maintain continuity of home/child care	39	gey
management persist (World Bank 1 996c). While there		
Urban areas		
Dai/midwife cheaper and available		are no
comparable quality of care data for Department		
for good quality care	92	of Health
providers, similar problems appear to exist.		
Hospital staff generally rude and careless	91	Public
awareness of where to go for family planning,		
No time to go to hospital	77	even of where
services are available, is surprisingly lim-		
Continuity of home/child care	61	ited. A 1993
study conducted by the Ministry of		

Note: Respondents were permitted to list multiple reasons.

Population Welfare found that only 54 percent of mar-

Source: Kazmi 1995.

ried women in the vicinity of a family welfare center  
 Quality of care knew it existed;  
 of those, only two-thirds knew its loca-  
 Staff absenteeism, lack of supplies, weak management tion (World  
 Bank 1995a). A 1994 study found that  
 and supervision, insufficient numbers of female work- only about 56  
 percent of men knew about the location  
 ers, and poor training all contribute to poor quality of a family  
 welfare center (Bhatti and Hakim 1996).  
 care. Health facilities, especially those that deliver pri-  
 mary and preventive services, are underutilized and Female health  
 providers



get little attention. A study of rural basic health facilities found that about 36 percent of physicians posted in these facilities were absent during normal duty hours, only 48 percent of the positions for female government health facilities have no female medical officers were filled, and about 38 percent of the facilities did not provide any maternal and child registered during 1993 were female, representing health care because no lady health visitors had been increase over the fewer than one-quarter in appointed to work in the facility Furthermore, only 23 percent of pregnant women residing in the immediate catchment area reported that they had ever visited a government facility for antenatal care (Parvez and others 1993). A situation analysis of a sample of family welfare centers that was designed to be nationally representative found that 7 percent were not operating and 21 percent had no clients on the day the team visited. An additional impediment is the poor Monthly clinic records indicated an average of fewer than five clients daily. While community outreach was part of the female welfare assistant's job, only one-third conducted home visits. Most medical examinations failed to follow standard procedures, such as taking a medical history and checking blood pressure. Half of female paramedical staff and a severe imbalance

It is examined by providers are percent of staff (PIHS 1996). While almost one-third of physicians cians a favorable 1987 (Pakistan, Federal Bureau of Statistics 1995), female are rare in There are away from patients. The workers is and women women's roles. potential for cal or the ry and vey of health system in critical

the staff members applied erroneous criteria when pre- between men  
and women in all categories. The study  
scribing family planning—for example, staff generally found that at  
the basic health units, women constitut-  
thought that women were required to have at least two ed 36  
percent of health workers; none of the 15 med-  
children before using the IUD and pill and between one ical  
officers was a woman. In rural health centers 19

# Improving Women's Health in Pakistan

percent of health staff and 14 percent of the medical some 60 million condoms in 1995, focusing on the officers were women. At subdistrict headquarter hos- cities. The U.S.-based Futures Group, with assistance pitals, 22 percent of the workers and 16 percent of the from the British government, is launching a social mar- medical officers and specialists were female. At district keting project for hormonal contraceptives (pills and hospitals, 24 percent of the staff members and 14 per- injectables) aimed at middle-to-lower income groups. cent of medical officers and specialists were women The project will train doctors and pharmacists and col- (World Bank 1996b). laborate with an expanded PSI effort, financed by the German government, to reach this same target group Public and private mix with hormonal contraceptives. PSI also has initiated a The private sector accounts for at least two-thirds of the marketing effort for IUDs and is training doctors in total health expenditure in Pakistan (World Bank IUD insertion. 1993). There are about 70,000 registered medical practitioners (public and private) in the country; about Nongovernmental organizations one-third are private physicians. There are also 32,000 The capacity of nongovernmental organizations registered homeopaths and 39,000 registered hakims, (NGOs) in the health and population sector is consid- who provide herbal and traditional medicine. There is erably more limited in Pakistan than in other Asian an acute shortage of nurses, with only one nurse for countries, such as Bangladesh and India. NGOs tend every three doctors, and of paraprofessionals (Pakistan, to be urban-based and lack sustainable financing. The Ministry of Health 1996c; Bhutta 1995; Pakistan, largest private sector provider of family planning ser- Federal Bureau of Statistics 1995). Traditional birth vices is the Family Planning Association of Pakistan, attendants, who attend most births, are estimated at which trains family welfare workers and dais and deliv- more than 100,000. There are about 520 private hos- ers family planning and maternal and child health ser-

pitals, more than 300 maternity and nursing homes    vices through  
 about 100 family welfare centers, mobile  
 (most with fewer than 50 beds), and more than 20,000    service units,  
 and community-based distribution  
 private clinics and dispensaries. About 70 percent of    schemes.  
 Other NGOs that offer family planning ser-  
 private health facilities are in cities (World Bank    vices include  
 the All-Pakistan Women's Association,  
 1996d). Spending on pharmaceuticals appears to be    Behbud,  
 Pathfinder, the Pakistan Voluntary Health and  
 unusually high, at 2.2 percent of average household    Nutrition  
 Association, the Maternal and Child Welfare  
 expenditure in 1985 (World Bank 1993a).    Association, and  
 Marie Stopes.  
 About 21 percent of men and women report that    The population-  
 related work of NGOs had been  
 their most recent health-related contact was with a gov-  
 facilitated by an NGO Coordinating Council, but orga-  
 ernment doctor at a public health facility, although a    nizational  
 weaknesses and the erosion of support from  
 much higher proportion report seeing a private doctor,    the U.S.  
 Agency for International Development  
 particularly among men (56 percent, compared with    (USAID) led to  
 the suspension of the council. In its  
 44 percent of women). Twice as many women (27 per-    place, the  
 government established the National Trust  
 cent) as men seek care from a dispensary or paramedic    for  
 Population Welfare in 1994. Whether it succeeds  
 (NHSP 1996). The military is another significant    will depend on its  
 ability to operate autonomously  
 source of health care for some 500,000 defense per-    from the  
 government and to establish an effective and  
 sonnel and their families. It is common practice in    stable  
 organizational and financial base. The 1993 cut-  
 Pakistan to use different medical systems (home,    off in USAID  
 funding for Pakistan (required by the  
 indigenous, and modern treatment) for a single illness    Pressler  
 Amendment against nuclear testing) has  
 (Hunte and Sultana 1992).    reduced the  
 ability of many NGOs to expand or even  
 The Social Marketing of Condoms Project, initiated    to continue  
 their activities (Rosen and Conly 1995;  
 in 1986 by the U.S.-based Population Services    World Bank 1995a).  
 International (PSI), has been notably successful. It sold



## Reproductive Health Services

21

Notes

population and

development goals, should be delivered as part of a broader package of reproductive health services (the

1. Two major principles agreed to at the International "reproductive health approach").

Conference on Population and Development are one, that 2. It is important to note that the majority of Pakistani

policy on population issues should be addressed at the level women using family planning have had many births and

of broad social policy (including investments in education may have been referred for sterilization for medical reasons.

and health, improving women's status, and reducing poverty-

Contraception by these women will not have any measurable

ty), and two, that family planning, to effectively meet both able impact on the rate of population increase.

#### 4 Building on Experience

It is clear that while Pakistan's macroeconomic indicators have been better than those of its South Asian neighbors, its indicators of reproductive health and education more effectively to the poor, and they are now higher in rural than in urban areas. Bangladesh education are extremely poor. There are lessons for its health spending to shift the emphasis Pakistan in the experience of other countries. These from urban, physician-oriented, curative care to a more lessons, as well as Pakistan's own experience, can help rural, public health orientation.

guide some new priorities for improving health services. Second is the effectiveness of a multisectoral

vices, especially for women. approach,

including attention to girls' education and the broader concerns of women's health. Such an approach has been shown to lead to fertility reduction,

Learning from Other Countries improved

maternal health, and other benefits to

women and their families, as in Sri Lanka, where fer-

Several lessons emerge from the experience of other tility and maternal mortality fell dramatically and gen-

countries that have faced problems similar to those in der equity improved.

Pakistan (see selected comparative indicators in figures Third is decentralized planning and an integrated

1-3 and 6-11). First is the importance of strong, con- service approach, which achieves high coverage of

sistent government commitment to greater equity in reproductive health and other services through an

the distribution of health services. Malaysia, for exam- efficient delivery system. For example, Iran devel-

Figure 6 Infant Mortality Rate, Selected Asian Countries Figure 7

GNP per Capita, Selected Asian Countries

(deaths per 1,000 live births)

(U.S. dollars)

Pakistan

95

Indonesia

8 880

Bangladesh

85

Sri Lanka

640

India 576

China

3 530

Indonesia	50	Pakistan N1440
China 00	38	India
310		
Sri Lanka 0 15		Bangladesh s
230		
Source: UNICEF 1997.		Source: World
Bank 1996g.		
22		



## Building on Experience

23

Figure 8 Literacy Rates, Selected Asian Countries Bangladesh  
 NGOs have played a critical role, and the national  
 (percent) workers at  
 program has mobilized thousands of female  
 Sri Lanka 92.9  
 the community level to offer knowledge,  
 Sri Lanka supplies, and social support to women where they live  
 Indonesia ~~~~~ 88.8 and work, thus both  
 increasing access and overcoming  
 Indonesia 1~76.4 cultural constraints.  
 India's national program is facili-  
 882 tating the development of community-based women's  
 China 70.0 organizations  
 to improve the health of women and  
 children. Local governments such as the panchayati raj  
 India 63.7 in India and the  
 union parishads in Bangladesh also  
 provide an entry point for initiatives to improve  
 Banglades -47.8 women's health at  
 the community level and support  
 Bangladesh 24.4 their  
 activities.  
 Pakistan 7-4 7 . 8 Fifth is establishing clear objectives  
 and effective  
 Pakistan 22.3 monitoring andl evaluation systems, which has  
 been  
 essential in focusing programs and getting results. In  
 Source: Population Reference Bureau 1996. India the  
 established government monitoring system  
 focused primarily on meeting targets, especially for  
 oped a master plan for each district, defining require-  
 sterilization; it is now moving to a more client-centered  
 ments for facilities and personnel, and established approach,  
 emphasizing indicators of quality of care. Sri  
 community health houses as the focal point of their Lanka examines  
 the circumstances surrounding a  
 program. In the Philippines, family planning, mater- maternal  
 death to find ways to improve the quality of  
 nal and child health, and nutrition programs are inte- care and to  
 demonstrate the priority it gives to pre-

grated and linked with hospital administration, an outcome.

which is essential for ensuring care for obstetric other differences between the policies of emergencies.

and its neighbors also seem to be important.

Fourth is the positive benefit of participation by medical termination of pregnancy is legal

NGOs, communities, and the women themselves. In trimester in India, and menstrual reg-

Figure 9 Population Doubling Time at Current Growth Proportion of Population under 15 Years

Rate, Selected Asian Countries

Selected Asian Countries

(years)

China

66

41

Sri Lanka

47

\_0 40

Indonesia

343

36

India

37

35

Bangladesh

35

35

Pakistan

24

27

Source: Population Reference Bureau 1996.

Population Reference Bureau 1996.

venting such

Some

Pakistan

For example,

during the first

Figure 10

of Age,

(percent)

Pakistan

Bangladesh

India

Indonesia

Sri Lanka

China

Source:

## Improving Women's Health in Pakistan

ulation (endometrial aspiration, usually performed It would be advisable to develop demonstration pro- jects in a limited number of districts, tailored to their period) is used in Bangladesh; neither practice is per- setting. The emphasis in Punjab, for example, would be on meeting existing demand, while in Balochistan it would be on substantial amount of donor support, which has con- would be on increasing demand. Priority could be tributed to the rapid expansion of the program in given to strengthening programs in Punjab, given its Bangladesh. In contrast, Pakistan receives considerably demographic importance and high level of unmet less per capita grant aid in the sector. need.

A cost-effective approach

## Priorities

According to preliminary results from the National Health Survey, maternal and perinatal conditions and communicable diseases account for half the countrys burden of disease (figure 11). Research on the cost- effectiveness of alternative health interventions has demonstrated that reproductive health services are among the most Financial and political commitment cost-effective, along with interventions to control Over the past decade the government has spent less to control childhood communicable diseases, especial- ly in settings than 1 percent of GNP annually on health services in ly in settings such as Pakistan. A World Bank cost study under way in Pakistan will provide country-specific data on the cost- effectiveness of health services, allow- ing comparisons Government needs to increase expenditures on repro- ing comparisons with costs in other countries. ductive health needs from their low levels and commit to such a change through sustained funding and Integrating health and family planning

strengthened organization and management. The International Conference on Population and Development Even to move into the mainstream of South Asia, Development emphasized that a broader, more client- Pakistan will need to give high priority to reducing the burden of disease from maternal and perinatal Figure 11 Total Burden of Disease, Pakistan conditions and communicable diseases. This will Communicable, require a significant and well-targeted allocation of maternal, and perinatal resources, strong political leadership and effective Respiratory Other strong ~~~~~infections management, and an emphasis on improving access Diarrhoea 8% childhood Neonatal and quality for basic reproductive and child health 13% clusters tetanus services through both public and private channels. Nutritional Maternal and Complementary efforts to improve girls' education NdtPtioneae 1 perinatal are also needed. 60/13 At a minimum, public financing should be redirected- translocated from tertiary care, physician training, and less-effective curative care to highly cost-effective essential services aimed primarily at children and reproductive-age tuberculosis women and the more efficient delivery of services at the community level. Also critical to effective and sustainable change is greater involvement of civil society, particularly local communities and NGOs. Under the Noncommunicable 10% Social Action Program the government has started to and injuries move ahead on these issues. Source: World Bank 1997a.

## Building on Experience

25

oriented approach to population and development is and the potential side effects. Contraceptive choice more acceptable, effective, and efficient than one based could be expanded by increasing the number of sites on vertical family planning service delivery. Many where tubal ligation is performed, increasing the availability of injectable contraceptives, facilitating the and population in the 1960s, like Pakistan, are now expansion of social and commercial marketing, and focusing on strengthening their health and family planning programs to deliver an integrated, cost-effective the like are in stock.

program of family planning, maternal health, and other Recent data indicate that men are increasingly essential services. motivated to use

contraception, partially because of Placing responsibility and accountability for family their rising concern about the cost of raising children.

planning service delivery within strengthened provincial departments of health in Pakistan would yield a Male drawal-account for almost half of all contraception number of benefits. There is no doubt that access to practiced.

Many men appear to be motivated, dominant in family planning could be substantially increased by decisionmaking, and much freer in their using the staff in the health sector and the large health access to services. Nevertheless, with the exception of infrastructure-provided the facilities are fully functional the social marketing project, men have not been targeting. Clients' broader health needs would also be met more effectively. There would be synergistic health and programs should be designed to reach them.

benefits for the population., as well as cost savings, from Condoms have the important benefit of providing the integration of basic services. Experience in health protection from sexually transmitted diseases, including HIV/AIDS. and population over the past two decades has demonstrating

strated that health systems need to shift their emphasis from curative to preventive and promotive care and Population growth from a physician-dominated, top-down model to a Population momentum will be the most important decentralized, client-centered approach if they are to component of population growth in Pakistan, even if meet their goals. If departments of health could be reformed fertility declines. Pakistan's population has doubled in the past 25 years, and it will double again in the next 24 years. A high birth rate continues to yield large cohorts of reproductive-age women (figures 9-10). The research, and monitoring and evaluation. population momentum this creates accounts for nearly half of projected growth between 1995 and 2100. The Family planning need to address the age of childbearing, as well as the The highest priority is to expand access to family planning other components of population growth-unwanted fertility and the desire for a large family-is pressing. A positive sign is that the age of marriage is rising. Currently using contraceptives. This is a substantial group Successful efforts to delay the initiation of childbearing and in Pakistan-more than one-third of married women. increase the spacing between births will have a mitigating effect on the surge in population growth. female providers at the community level, making contraceptive methods available through as many health later in their reproductive years and only after they have a number of children-32 percent or more of women age 30 or older practice family planning, compared with only 10 percent of women aged 20-24 years and 21 percent of those age 25-29

because they are most effective when they provide (PFFPS 1998).  
More emphasis needs to be placed on  
basic information on the pros and cons of the methods delaying and  
spacing childbirth. Achieving a reduc-

## Improving Women's Health in Pakistan

tion in desired family size and lessening the popula- perinatal  
disease burden), as well as ensure the good  
tion momentum will depend strongly on increasing health of the  
woman herself.

girls' schooling and expanding their socioeconomic Making  
pregnancy healthy and safe will require:

opportunities, activities which should be vigorously \* Expanding  
the coverage and quality of prenatal,

supported through other sectors. Improved commu- delivery,  
and postpartum care

nication programs will also be needed, including - Emphasizing  
detection and proper treatment of

campaigns designed to influence male attitudes. For \*  
complications

example, 36 percent Of males currently approve Of1 btti  
opiain

girmpls , m y bere th atgeaofv18. \* Ensuring

quick referral and transport for life-threat-

girls marrying before the age of 18. eigeegniss

ening emergencies.

Maternal health A fully

functioning referral system-one that

Along with providing men and women with the means ensures that  
pregnant women who develop complica-

to regulate their fertility, the strengthening of maternal tions

are referred to an appropriate facility for proper

health services deserves much greater attention. treatment-is

essential. Facilities will need adequate

Analysis of the overall disease burden affecting the equipment,

supplies, and trained staff to provide emer-

population indicates that about 16 percent of the total gency

interventions for pregnancy complications.

burden is associated with pregnancy-related condi- Hospitals will  
require blood banks to manage women

tions (table 9). This constitutes almost one-third of the with

hemorrhage who need transfusions and the

disease burden from communicable, maternal, and capacity

(anesthesiology, surgeon, and operating the-

perinatal causes (NHSP 1996). Thus a substantial pro- ater) to

perform cesarean sections. Training staff to per-



portion of the disease burden (and the costs associated with neonatal care) can be prevented by providing anesthesiology) and contracting with private providers mothers with tetanus toxoid immunization, improving services are options worth considering. their nutrition, and managing obstetric complications. When complications arise, transport can make the difference. These measures will prevent neonatal tetanus and low birthweight (conditions that account for most of the thematic arrangement for transporting emergency cases from rural areas to referral facilities, communities will need to be involved in developing locally appropriate transport schemes.

Condition	100I000	100p000	Most rural
Pakistani women now deliver at home and lack access to appropriate facilities and health personnel. In the immediate term, the training and supervision of dais can help reduce harmful practices, such as unclean delivery, in remote areas. Experience has demonstrated, however, that trained dais alone have limited effectiveness in improving pregnancy outcomes. Also needed is an educated staff trained in midwifery skills and linked to referral services. Dai training should emphasize prevention of unwanted pregnancy, appropriate counseling and services during pregnancy, and greater attention to the detection and referral of obstetric complications.			
Maternal conditions	2,261	1,014	
Hemorrhage-pregnancy	200	170	
Sepsis-pregnancy	500	66	
Abortion	1,000	117	
Other complications of pregnancy	561	7162	
Perinatal causes	192	3,559	
Sexually transmitted diseases	46,802	809	
Syphilis	10,000	186	
Gonorrhea	25,000	133	
HIV infection	2	25	
Chlamydia	7,800	250	
Pelvic inflammatory disease	4,000	214	
Neonatal tetanus	32	1,021	

Total	49,287	6,403	Linkages
will need to be strengthened between dais			
Percentage of all health conditions	9	18	and village
health and family planning workers. The			
a. Disability-adjusted life years.			aim should
be to move toward upgraded maternal care			
Source: World Bank 1997a.			through more
educated village-based workers at the			

## Building on Experience

27

community level, a staff at medical facilities that particular effort is needed to recruit and deploy includes midwives trained in life-saving skills, and a female health workers in rural areas. More training of referral system that can provide essential obstetric health technicians, nurses, and paramedical staff is functions. There should also be an increased effort to needed to redress imbalances between doctors and educate families about the importance of special care other health staff. Stronger efforts to recruit, train, during pregnancy and the recognition and referral of and deploy female village health and family planning complications. workers to provide family planning and maternal and child health services is crucial—this practice has Other morbidity worked well in similar countries and appears to be Pakistan needs to accelerate efforts to avoid a serious effective in Pakistan. Efforts will be needed to find HIV/AIDS epidemic—an epidemic now occurring in educated village women who are respected by their other parts of Asia. Sexually transmitted diseases, communities and accountable to them, willing to stay, which increase susceptibility to HIV, account for at and linked to the dais and the referral system. An least 3 percent of the population's disease burden. independent evaluation of the community-based Prevention and management of sexually transmit- female worker programs is recommended to guide ted diseases is cost-effective, although interventions future planning. will need to be phased, given Pakistan's weak infra- Pre-service and in-service training of medical and structure. Public education messages and the promo- nursing staff should include family planning, midwifery tion of condoms are the most cost-effective preventive skills, recognition and management of pregnancy com- measures. Until laboratory capacity is developed, plications, detection and management of reproductive treatment based on syndromic diagnosis-diagnosis tract infections (at least syndromic diagnosis), commu-

through the recognition of characteristic groups of community health, and interpersonal counseling skills. It is likely that symptoms-of sexually transmitted diseases can be likely that standard protocols will have to be revised accordingly and used. This approach, however, will work more effectively and supervision strengthened.

tively with men, because women with sexually trans- Nurses and nurse-midwives have much more responsibility for providing reproductive health services in other countries than they do in Pakistan, and they could be called on to perform a wider range of functions. They are less expensive than doctors, and should receive particular attention. most are women, making them culturally acceptable to provide such

Improvement of nutritional status is another priority step for reducing women's morbidity, improving status of nursing and midwifery need to be improved. Nurses are currently low on the public service pay scale. Incentives will be necessary to attract enough qualified nurses and to retain them in the workforce. Education of especially iron-deficiency anemia, needs to be Education of women is a crucial prerequisite for developing a reduced during childhood as well as during adolescence, pregnancy, and lactation to lessen the burden ment as health providers. Only 16 percent of girls at matriculation of disease.

(grades 1-6) and intermediate school compared with 33 percent of boys) are enrolled in rural areas (NHSP Training and deployment 1996). Over the short term, education criteria could be lowered. Over the long term, dramatic

recruitment and acceptance procedures, and incentives will be needed to educate girls who live in rural areas, since it is unlikely that urban women will be willing to work in a rural environment.

## Improving Women' Health in Pakistan

Increased focus on the client and community children (such as land distribution, costs of raising Adequate resources are necessary, but not sufficient in children, and the multiple advantages of delaying and the absence of other measures, to improve reproductive spacing births) could be described, since more generative health. Services must be brought as close as possible all messages promoting the idea of the small family ble to women to overcome the constraints to their seem not to be well understood.

mobility Cost should not be a barrier to use. Families Research on Pakistan's programs also indicates that need to be more aware of how to reach services, and of health providers need to improve their communication the importance of health care during pregnancy skills so that their interactions with clients are two-way Furthermore, the quality of care needs to be greatly exchanges. Communication could also be improved improved through training, incentives, and supervision among interest groups in Pakistan, which would foster sion. This includes ensuring that health workers are improved coordination and build a constituency for willing and present to perform services, that they follow reproductive health. For example, a reproductive low standard procedures, that equipment and supplies health task force could be established to bring together are available, and that clients are treated with respect. Other professionals, researchers, NGOs, donors, and officials to exchange Planning, implementation, and supervision should cials to exchange information and plan future directions. There is little evidence of coordinated follow-up provincial capitals to the district level. Also important action to the International Conference on Population are initiatives to get communities more involved in and Development. The National Committee for supporting local health facilities and to let them have Maternal Health, made up of NGOs and government, a hand in oversight and management. This will help has the potential to catalyze the planning and imple-

services meet local needs and become more accountable to clients and more sustainable over the long term. The Medical Association and College of Physicians and Surgeons can also play an important role in strengthening an education initiative in Balochistan that involves reproductive health services in the medical communities and NGOs in a collaborative effort with the government. The approach might be a model for the health sector. Public-private

collaboration

The public sector must continue to play the major role in financing basic

services for women over the immediate

term. Mass media and direct personal communications could

Some of these services have positive externalities and

be better used to improve knowledge and practices. If at all related to contraception, safe sex, safe motherhood, without public

financing. But not all services have to do with nutrition, and intrahousehold relationships. At least 34 percent of married women in Pakistan report watching

Agenda Khan Health Services and Aga Khan Rural Support television daily—58 percent in urban settings (PFFPS Program in

the Northern Areas and the Family Planning Association in Azad Jammu and Kashmir

ceding sections—sense of having no control over fertility and maternal mortality; lack of knowledge about its strategy, the government needs to maximize the

reach and breadth of private sector services signs of pregnancy; gaps in men's awareness of the and improve

their quality through incentives and regulatory importance of family planning, safe sex, and safe pregnancy—need to be understood and then addressed nonprofit and the

for-profit private sectors in prevention

through a public information, education, and communication campaign. Messages about family size and through training

and subsidies, for example. The social

other reproductive health issues should be explicit. For marketing program for condoms has apparently been example, the economic and health advantages of fewer quite successful, and plans for expanding the program's



## Building on Experience

29

range of contraceptives and for developing commercial access to obstetric care and encouraging women's use of marketing to reach providers as well as clients sound government health facilities. Government and donors promising. should support health facility data collection and population-based surveys, NGOs will be important over the long term in as well as focus group discussions expanding reproductive health information and services and in-depth interviews to gain information for policy decisions. A priority for the Bank and other donors is to strengthen the NGO support mechanism, to decentralize some authority to provinces to facilitate grants to expand activities, and to coordinate NGOs, particularly since USAID support has dwindled. Experience has shown that for an NGO support mechanism to be successful, it must have autonomy from the government. 1. For example, in comparable countries, the cost of providing family planning and maternal health care has been estimated at \$2.00-4.70 per capita; World Bank 1993b, adopting systematic guidelines to solicit, review, support, and supervise NGO activities. 1994. 2. Major donors providing assistance in reproductive health are the World Bank, the UN Population Fund (UNFPA), the U.K. Department for International Development (DFID), and the Asian Development Bank (ADB). USAID provided the bulk of population assistance until it withdrew in 1993. The main lessons from the Bank's assistance include the importance of: sustained government commitment to the program; discussed with the government (possible topics include realism about institutional constraints on capacity

financial commitment, development of a task force, inter-building and program implementation (such as difficulties arising from the competing or overlapping program responsibilities of the federal and provincial authorities); need to address problems caused by gender bias on the part of both Information needs staff and beneficiaries; studies and policy dialogue; staff continuity on both The information base in Pakistan is extremely weak. the government and the World Bank side; and Biomedical, epidemiological, and socioeconomic data community involvement in planning and service provision. are needed to assess women's health status and to evaluate The Bank has provided assistance to Pakistan in reproductive health through five health and population projects: eral health and population surveys have focused on the Family Health Project, the Second Family Health Project, questions related to fertility. But there is virtually no the Population Welfare Program Project, and the Northern information on reproductive tract infections, maternal Health Program Project, as well as a population project completed in morbidity, or gender-based violence. There is a particular need for qualitative research on women's perspectives Program was launched in 1992-93, with Bank assistance, to and cultural factors, affecting use of services, in order to accelerate improvement in primary health, primary education, rural design information and service programs effectively. water supply and sanitation, and population welfare. Follow-up assistance to the Social Action Program has identify the best intervention strategies for increasing just been approved for implementation.

## 5 Conclusion

Of the many factors that influence women's health in effective and sustainable, women must be involved in Pakistan, this report focuses on ways to strengthen the their planning and implementation. In the medium health system to better meet the needs of Pakistani term, appropriate approaches for reducing gender discrimination in women. Reproductive health problems receive participation in health care and gender-based violence ular attention, since they constitute a significant cause need to be identified, tested, and initiated. Over the of premature death and disability Furthermore, reproductive health interventions are among the most cost- longer term, progress in health and development will be linked with support of girls' education, employment effective health services available. Possibly the three ment opportunities for women, and improvement in highest priorities for immediate action are expanding their overall status.

community-based family planning to meet unmet Adoption of the actions and strategies described need; training and supporting female health here could significantly reduce the burden of disease providers, especially in rural areas; and facilitating and associated costs, including productivity losses. If appropriate private sector services, such as the social urgent action is not taken, Pakistan will fall further marketing program and outreach by NGOs. In addition, behind other countries in human capital development, demonstration projects could be launched in jeopardizing future opportunities for economic several districts to improve management of pregnancy growth. High fertility and women's poor health not cy complications, control sexually transmitted diseases only seriously reduce family well-being and productive eases (particularly HIV/AIDS prevention), and capacity in Pakistan, but also the development potential to improve maternal nutrition. For these programs to be trial of tomorrow.

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